

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for determining a size value associated with an object at runtime comprising:
 - executing a computer program;
 - associating a size value with an object during execution of said computer program; and
 - retrieving said size value when a size operator is executed for said object during execution of said computer program,wherein said object is defined using a dynamically-type language.
2. (Original) The method of claim 1 wherein said size value is a number of characters in said object, if said object is a string.
3. (Original) The method of claim 1 wherein said size value is a number of elements in said object, if said object is an array.
4. (Original) The method of claim 1 wherein said size value is a value determined by a function of said object, if said object is an instance of a class.
5. (Original) The method of claim 4 wherein said retrieving comprises:
 - providing an instance of said size operator for said class; and
 - calling said instance of said size operator.
6. (Currently Amended) A method for determining a type value associated with an object at runtime comprising:
 - executing a computer program;
 - associating a type value with an object during execution of said computer program; and
 - retrieving said type value when a type operator is executed for said object during execution of said computer program,wherein said object is defined using a dynamically-type language.
7. (Original) The method of claim 6 wherein said type value is "string," if said object is a string.

8. (Original) The method of claim 6 wherein said type value is a number, if said object is a string.
9. (Original) The method of claim 6 wherein said type value is a value determined by a function of said object, if said object is an instance of a class.
10. (Original) The method of claim 9 wherein said retrieving comprises:
 - providing an instance of said type operator for said class; and
 - calling said instance of said type operator.
11. (Currently Amended) A runtime size information determiner comprising:
 - an association unit configured to associate a size value with an object during execution of a computer program; and
 - a retrieval unit configured to retrieve said size value when a size operator is executed for said object during execution of said computer program,
wherein said object is defined using a dynamically-type language.
12. (Currently Amended) The runtime size information determiner of claim 11 wherein said size value is a number of characters in said object, if said object is a string.
13. (Original) The runtime size information determiner of claim 11 wherein said size value is a number of elements in said object, if said object is an array.
14. (Original) The runtime size information determiner of claim 11 wherein said size value is a value determined by a function of said object, if said object is an instance of a class.
15. (Original) The runtime size information determiner of claim 14 wherein said retrieval unit comprises:
 - an instance of said size operator for said class; and
 - an instance calling unit configured to call said instance of said size operator.
16. (Currently Amended) A runtime type information determiner comprising:
 - an association unit configured to associate a type value with an object during execution of a computer program; and
 - a retrieval unit configured to retrieve said type value when a type operator is executed for said object during execution of said computer program,

wherein said object is defined using a dynamically-type language.

17. (Original) The runtime type information determiner of claim 16 wherein said type value is “string,” if said object is a string.
18. (Original) The runtime type information determiner of claim 16 wherein said type value is a number, if said object is a string.
19. (Original) The runtime type information determiner of claim 16 wherein said type value is a value determined by a function of said object, if said object is an instance of a class.
20. (Original) The runtime type information determiner of claim 19 wherein said retrieval unit comprises:
 - an instance of said type operator for said class; and
 - an instance calling unit configured to call said instance of said type operator.
21. (Currently Amended) A computer program product comprising:
 - a computer usable medium having computer readable program code embodied therein configured to determine a size value associated with an object at runtime, said computer program product comprising:
 - computer readable code configured to cause a computer to execute a computer program;
 - computer readable code configured to cause a computer to associate said size value with an object during execution of said computer program; and
 - computer readable code configured to cause a computer to retrieve said size value when a size operator is executed for said object during execution of said computer program,
 - wherein said object is defined using a dynamically-type language.
22. (Original) The computer program product of claim 21 wherein said size value is a number of characters in said object, if said object is a string.
23. (Original) The computer program product of claim 21 wherein said size value is a number of elements in said object, if said object is an array.
24. (Original) The computer program product of claim 21 wherein said size value is a value determined by a function of said object, if said object is an instance of a class.

25. (Original) The computer program product of claim 24 wherein said retrieval unit comprises:
computer readable code configured to cause a computer to provide an instance of said
size operator for said class; and
computer readable code configured to cause a computer to call said instance of said size
operator.
26. (Currently Amended) A computer program product comprising:
a computer usable medium having computer readable program code embodied therein
configured to determine a type value associated with an object at runtime, said
computer program product comprising:
computer readable code configured to cause a computer to execute a computer program;
computer readable code configured to cause a computer to associate said type value with
an object during execution of said computer program; and
computer readable code configured to cause a computer to retrieve said type value when
a type operator is executed for said object during execution of said computer
program,
wherein said object is defined using a dynamically-type language.
27. (Original) The computer program product of claim 26 wherein said type value is "string," if
said object is a string.
28. (Original) The computer program product of claim 26 wherein said type value is a number,
if said object is a string.
29. (Original) The computer program product of claim 26 wherein said type value is a value
determined by a function of said object, if said object is an instance of a class.
30. (Original) The computer program product of claim 29 wherein said retrieval unit comprises:
computer readable code configured to cause a computer to provide an instance of said
type operator for said class; and
computer readable code configured to cause a computer to call said instance of said type
operator.